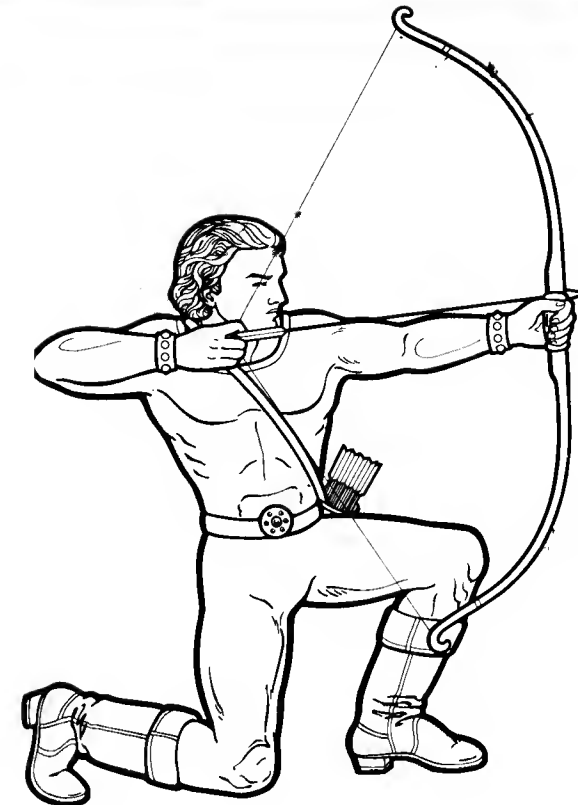


## Table of Contents

Sheet 1A	Table of Contents
Sheet 1B	Millipede Main Wiring Diagram (039258-01 A)
Sheet 2A	Regulator/Audio II PCB Schematic Diagram (035435-02 F), Color Raster Power Supply Wiring Diagram (037669-01 C)
Sheet 2B	Coin-Door Wiring Diagram (A037542-01 D), Utility Panel Wiring Diagram (A038004-01 E), Fluorescent Light Wiring Diagram (035833-01 A), Coupler PCB Schematic (A035220-02 C)
<i>Game PCB Schematics (038874-XX B), Sheets 3A—7A</i>	
Sheet 3A	Memory Map and Schematic Notes
Sheet 3B	Power Input, Clock, Horizontal and Vertical Sync Chains
Sheet 4A	Power-On Reset, Watchdog, Microprocessor, and Address Decoders
Sheet 4B	Program Memory, -28 Volt Supply, and High-Score Table
Sheet 5A	Playfield Address Selectors, Playfield Memory, and Playfield Data
Sheet 5B	Motion Object Control, Picture Memory, Horizontal Position, and Line Buffer
Sheet 6A	Color Memory Address Selectors, Motion Object Color Selectors, Color Memory, and Color Output
Sheet 6B	Coin Door Input, Trak-Ball™ Input, Option Switch Input, Control Panel Input, and Joystick Input
Sheet 7A	Audio Output, Coin Counter & LED Output

NOTE  
This staple temporarily holds the schematic package together. Remove the staple before using these schematics.



## Schematic Package Supplement to

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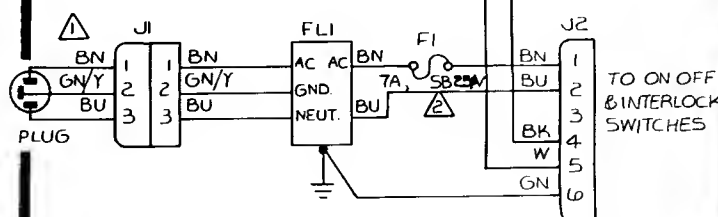
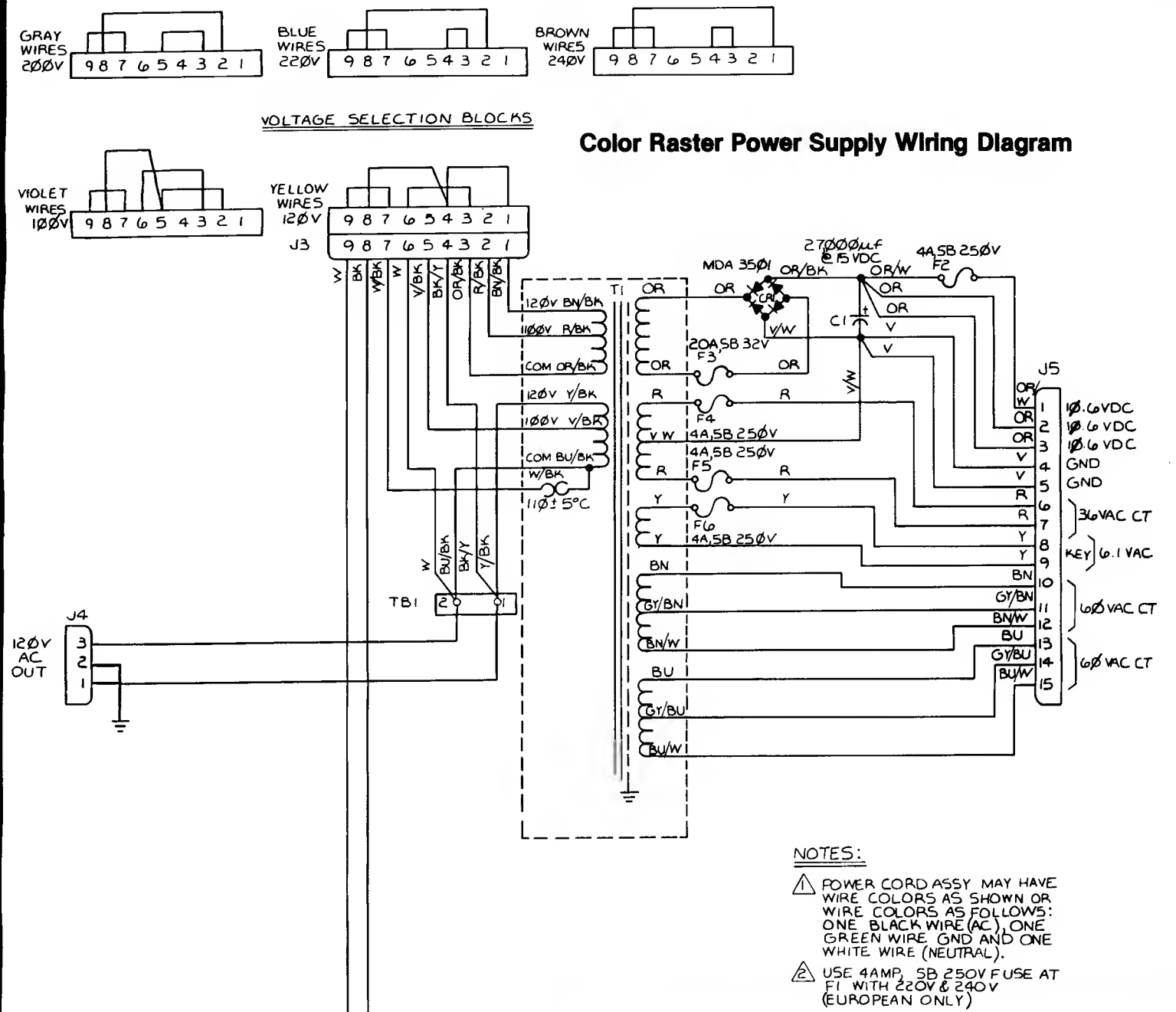
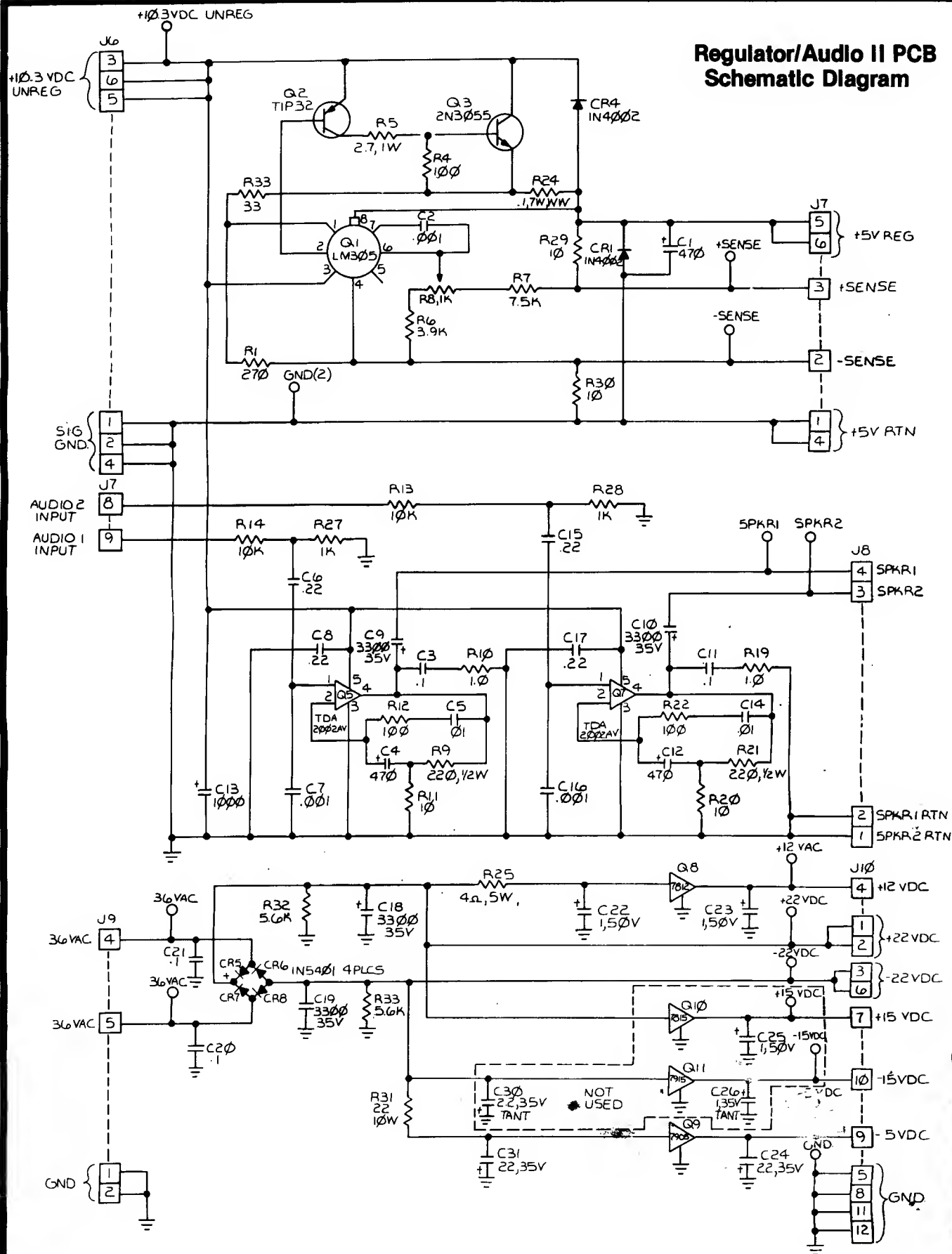
## Operation, Maintenance, and Service Manual

10 L

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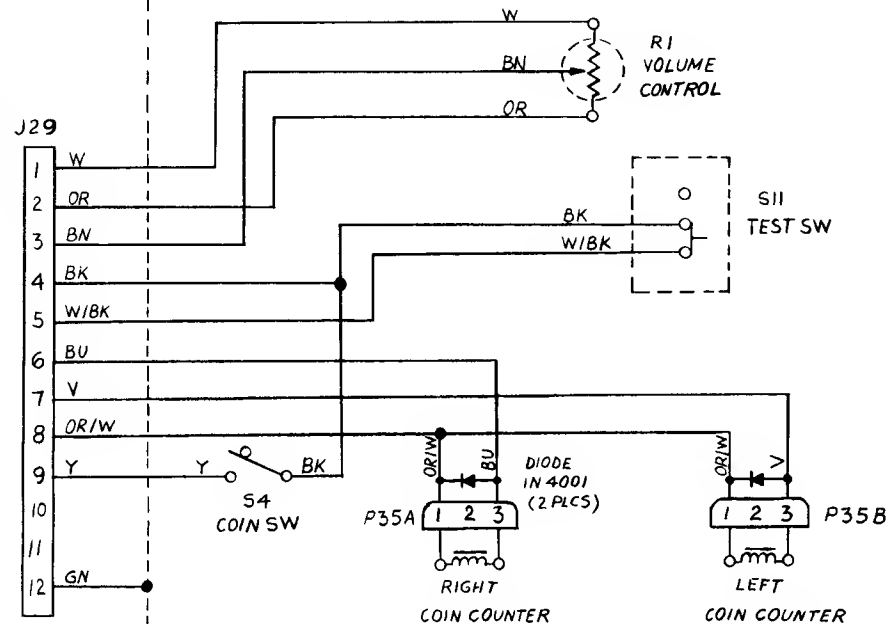




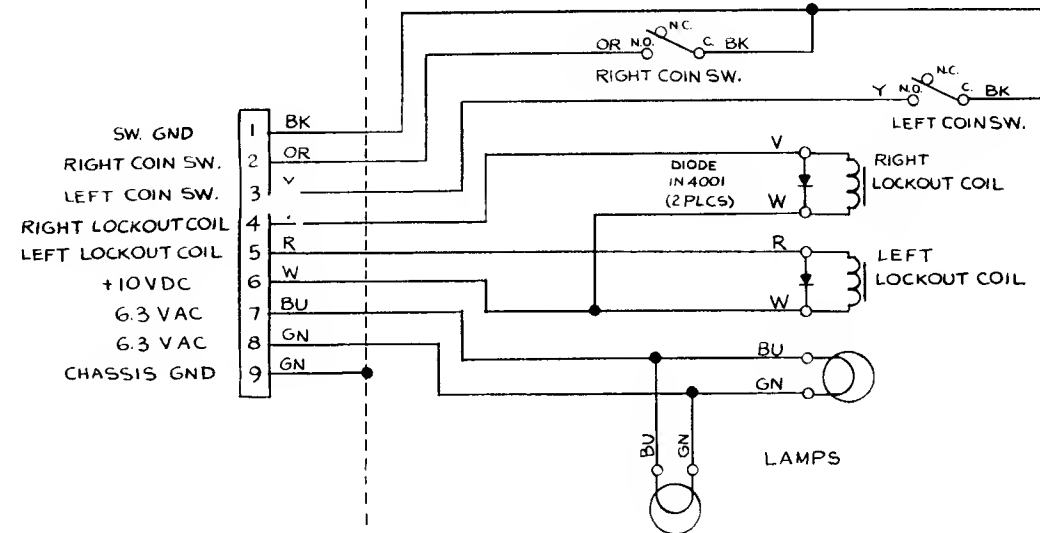
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### Millipede™ Reg./Audio II PCB and Power Supply Diagrams

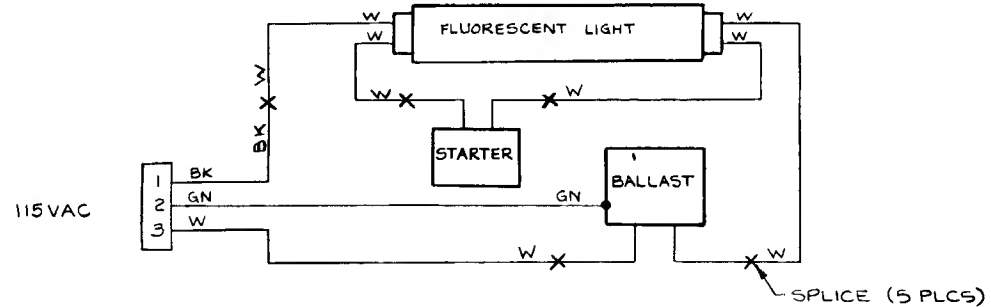
## Utility Panel Wiring Diagram



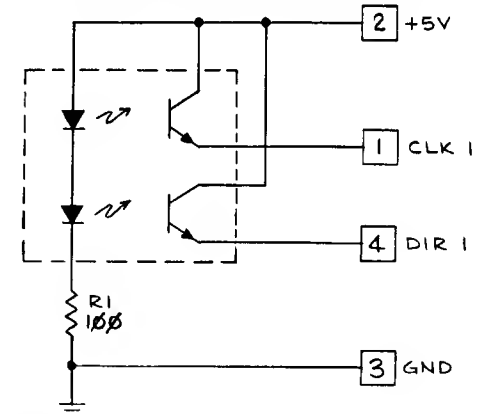
## Coin Door Wiring Diagram



## Fluorescent Light Wiring Diagram



## Coupler PCB Schematic



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## Millipede™ Game Wiring Interfaces

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MEMORY MAP

HEXA- DECIMAL ADDRESS	ADDRESS BUS SIGNAL LINES															R/W	DATA BUS SIGNAL LINES								FUNCTION
	A14	A13	A12	A11	A10	A9	A8	A7	A6	A5	A4	A3	A2	A1	A0		D7	D6	D5	D4	D3	D2	D1	D0	
0000-03FF	0	0	0	0	0	A	A	A	A	A	A	A	A	A	A		D	D	D	D	D	D	D	D	RAM
0400-0410 0408	0	0	0	0	1								A	A	A	A	R	D	D	D	D	D	D	D	I/O S0 OPTION SWITCH 0
0800-0810 0808	0	0	0	1	0								A	A	A	A	R	D	D	D	D	D	D	D	I/O S1 OPTION SWITCH 1
1000-13BF 13C0-13CF 13D0-13DF 13E0-13EF 13F0-13FF	0	0	1			A	A	A	A	A	A	A	A	A	A		D	D	D	D	D	D	D	D	PLAYFIELD RAM MOTION OBJECT PICTURE MOTION OBJECT VERTICAL MOTION OBJECT HORIZONTAL MOTION OBJECT COLOR
2000	0	1	0	0	0					0	0				0		D								TRACKBALL HORIZ DIR VBLANK START 1 SWITCH FIRE 1 SWITCH TRACKBALL HORIZ COUNT OPTION SWITCH 2
2001	0	1	0	0	0					0	0				1		D								TRACKBALL VERT DIR START 2 SWITCH FIRE 2 SWITCH TRACKBALL VERT COUNT OPTION SWITCH 2
2010	0	1	0	0	0					0	1				0		D	D	D						COIN SWITCHES SLAM SWITCH JOYSTICK POSITIONS
2011	0	1	0	0	0					0	1				1		D								SELF-TEST SWITCH CABINET SELECT
2030	0	1	0	0	0					1	1						D	D	D	D	D	D	D	D	EAROMRD
2480-248F 2490-249F	0	1	0	0	1	0	0	1			0	A	A	A	A	W	D	D	D	D	D	D	D	D	STAMP COLOR RAM MOTION OBJECT COLOR RAM
2501	0	1	0	0	1	0	1	0					0	0	1	W	D								COIN CNTR L COIN CNTR R
2502	0	1	0	0	1	0	1	0					0	1	0	W	D								START LED 1
2503	0	1	0	0	1	0	1	0					0	1	1	W	D								START LED 2
2504	0	1	0	0	1	0	1	0					1	0	0	W	D								TRACKBALL ENABLE (TBEN)
2505	0	1	0	0	1	0	1	0					1	0	1	W	D								VIDEO ROTATE (VIDROT)
2506	0	1	0	0	1	0	1	0					1	1	0	W	D								CONTROL SELECT (CNTRLSEL)
2507	0	1	0	0	1	0	1	0					1	1	1	W	D								
2600	0	1	0	0	1	1	0	0								W									IRQRES
2680	0	1	0	0	1	1	0	1								W									WATCHDOG
2700	0	1	0	0	1	1	1	0								W					D	D	D	D	EAROMCON
2780	0	1	0	0	1	1	1	1								W	D	D	D	D	D	D	D	D	EAROMWR
300-3FFF 400-7FFF	0	1	1	A	A	A	A	A	A	A	A	A	A	A	A	R	D	D	D	D	D	D	D	D	ROM (NOT USED) ROM

Schematic Reference Designators and Symbols

Logic symbols depict the logic function performed by that particular device and may differ from the manufacturer's data.

REFERENCE DESIGNATORS:

- C

CR

F

J

L

LS

P

Q

R

S

T

TP

VR

Y
- Capacitor

Diode, signal or rectifier

Fuse

Connector

Inductor, fixed or variable

Speaker

Connector

Transistor or silicon-controlled rectifier

Resistor, fixed or variable

Switch

Transformer

Twisted wire pair

Voltage regulator

Crystal

WIRE COLORS:

- R

GN

Y

W

BU

BN

BK

OR

V

GY
- Red

Green

Yellow

White

Blue

Brown

Black

Orange


Violet

Gray


Electrical components shown on the schematic diagrams are in the following units unless otherwise noted:


- Capacitors = microfarads (μf)
- Resistors = ohms (Ω)
- Inductors = microhenrys (μh)

SYMBOLS:


- 

Ground



PCB edge connector pad
- 

Test Point

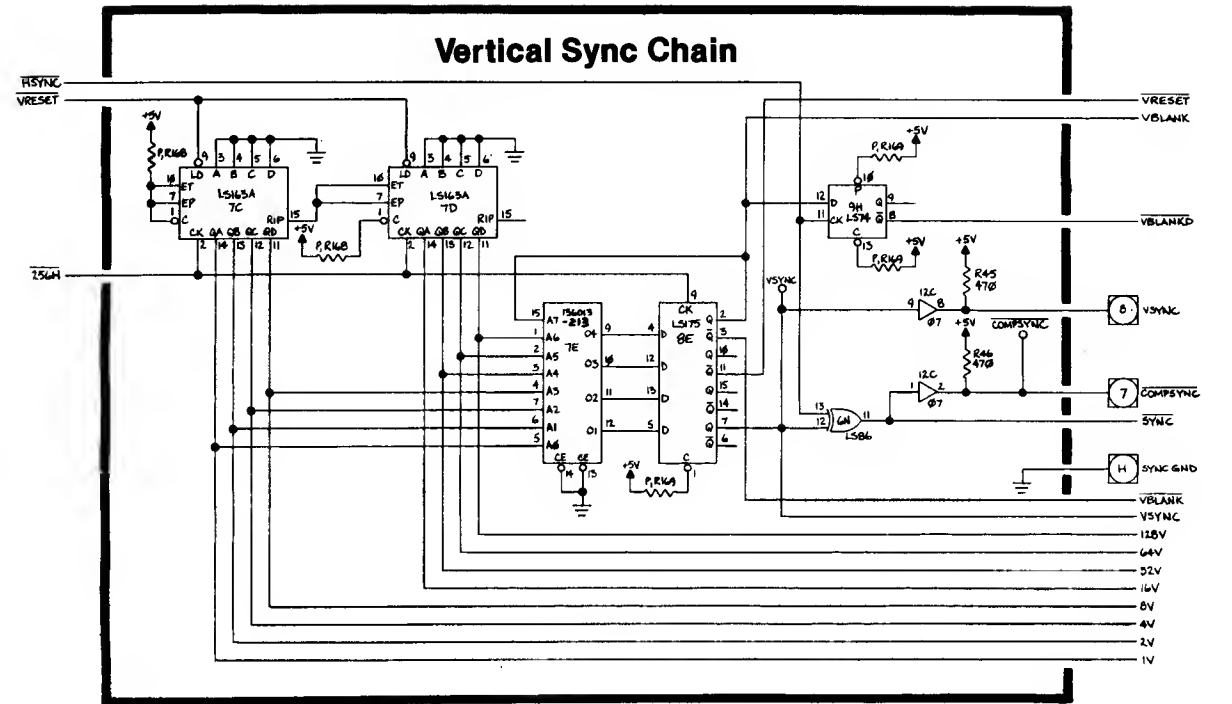
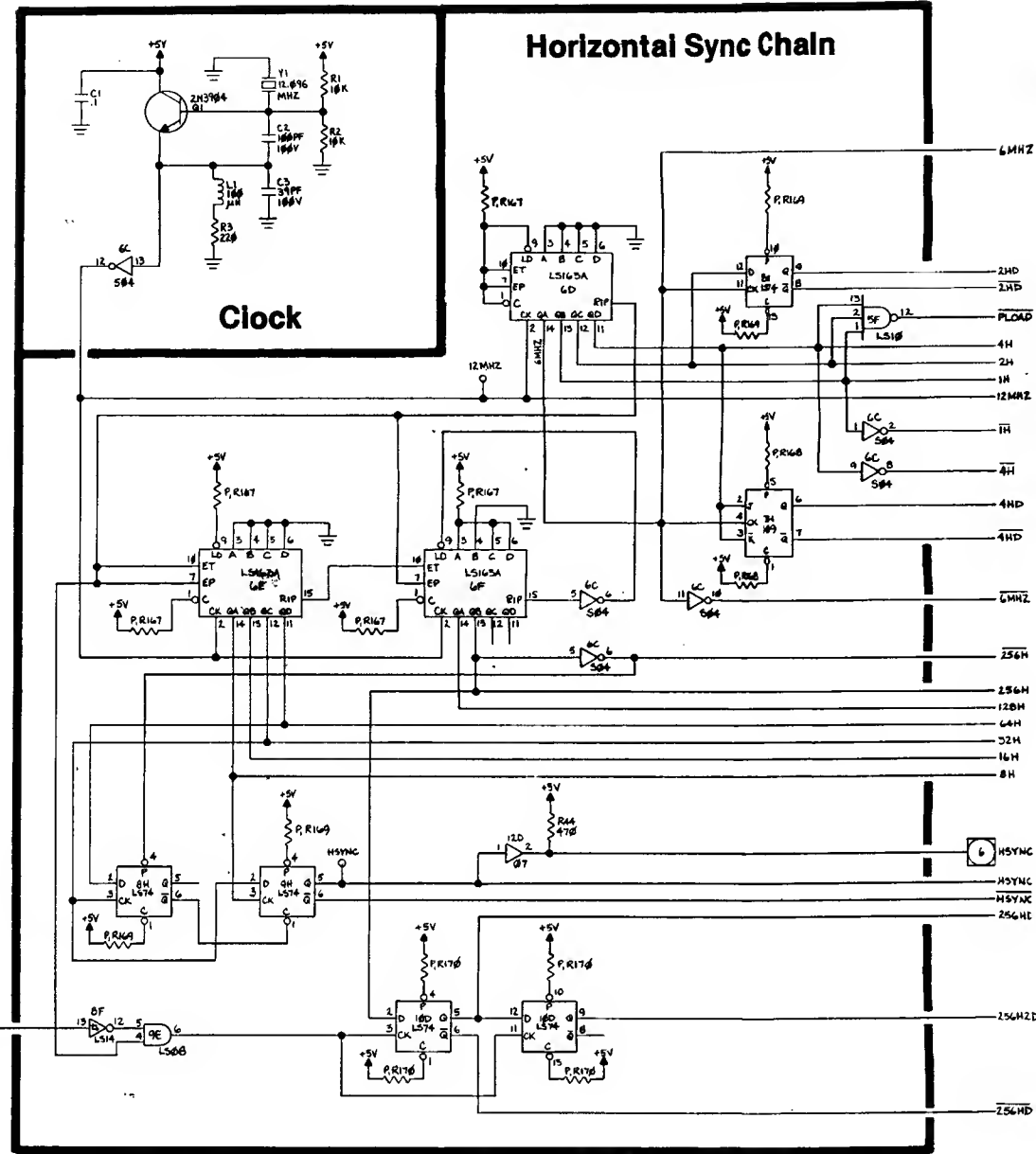
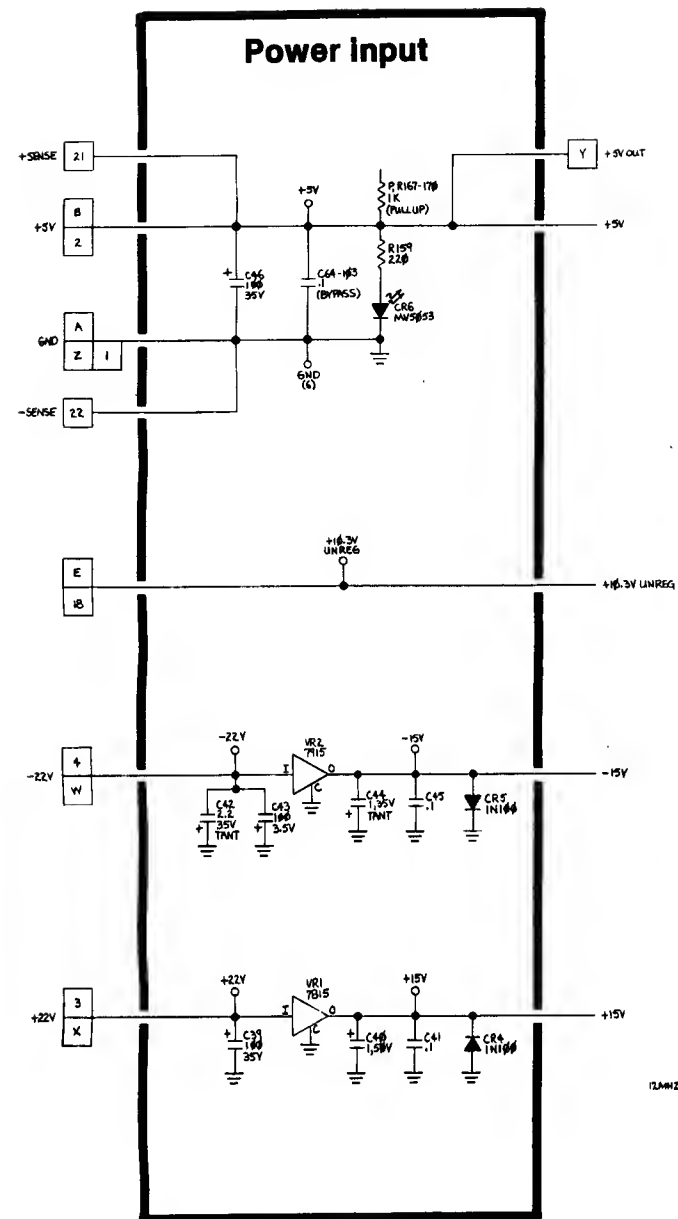


PCB test connector pad



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Millipede™ Memory Map and Schematic Notes



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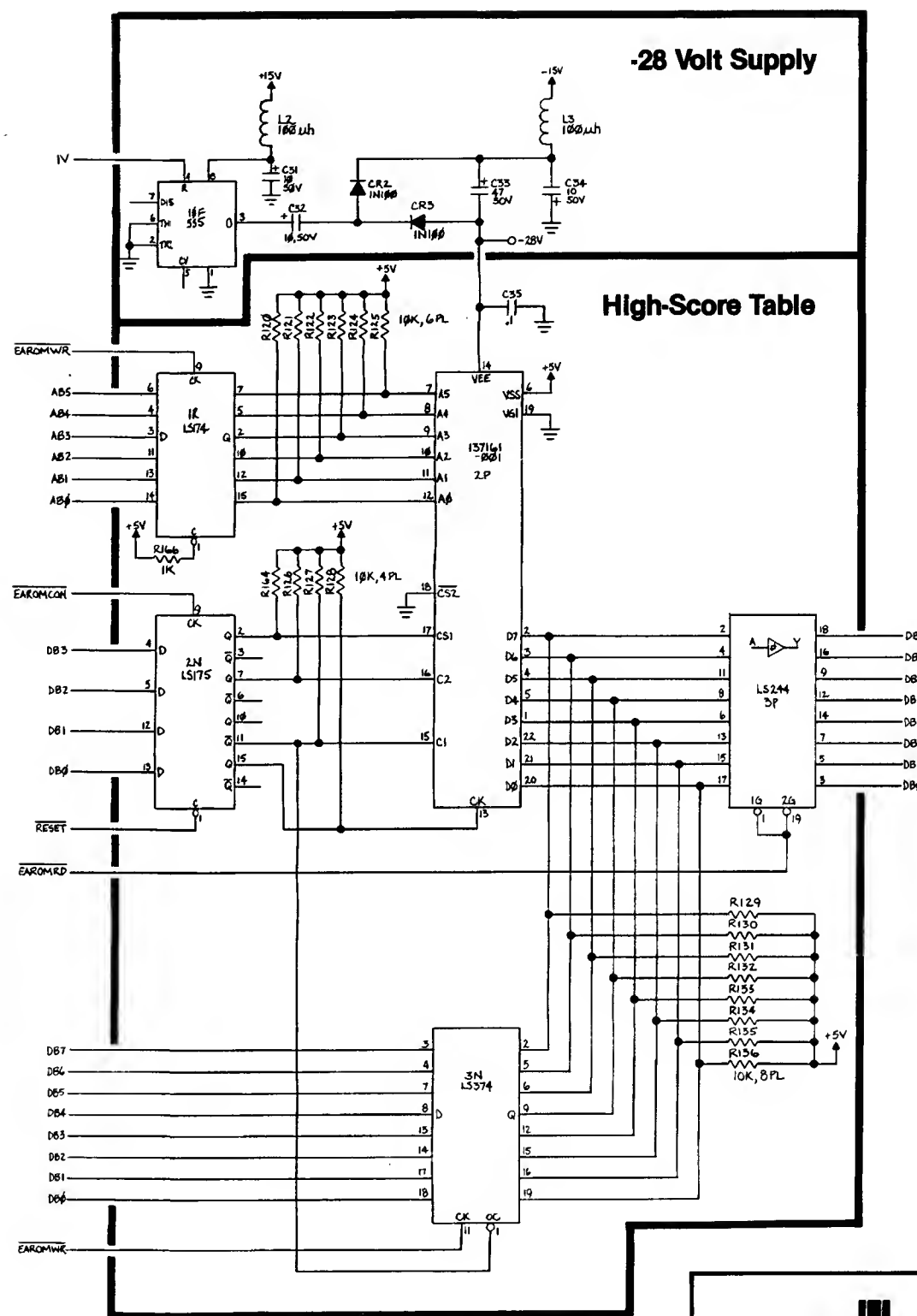
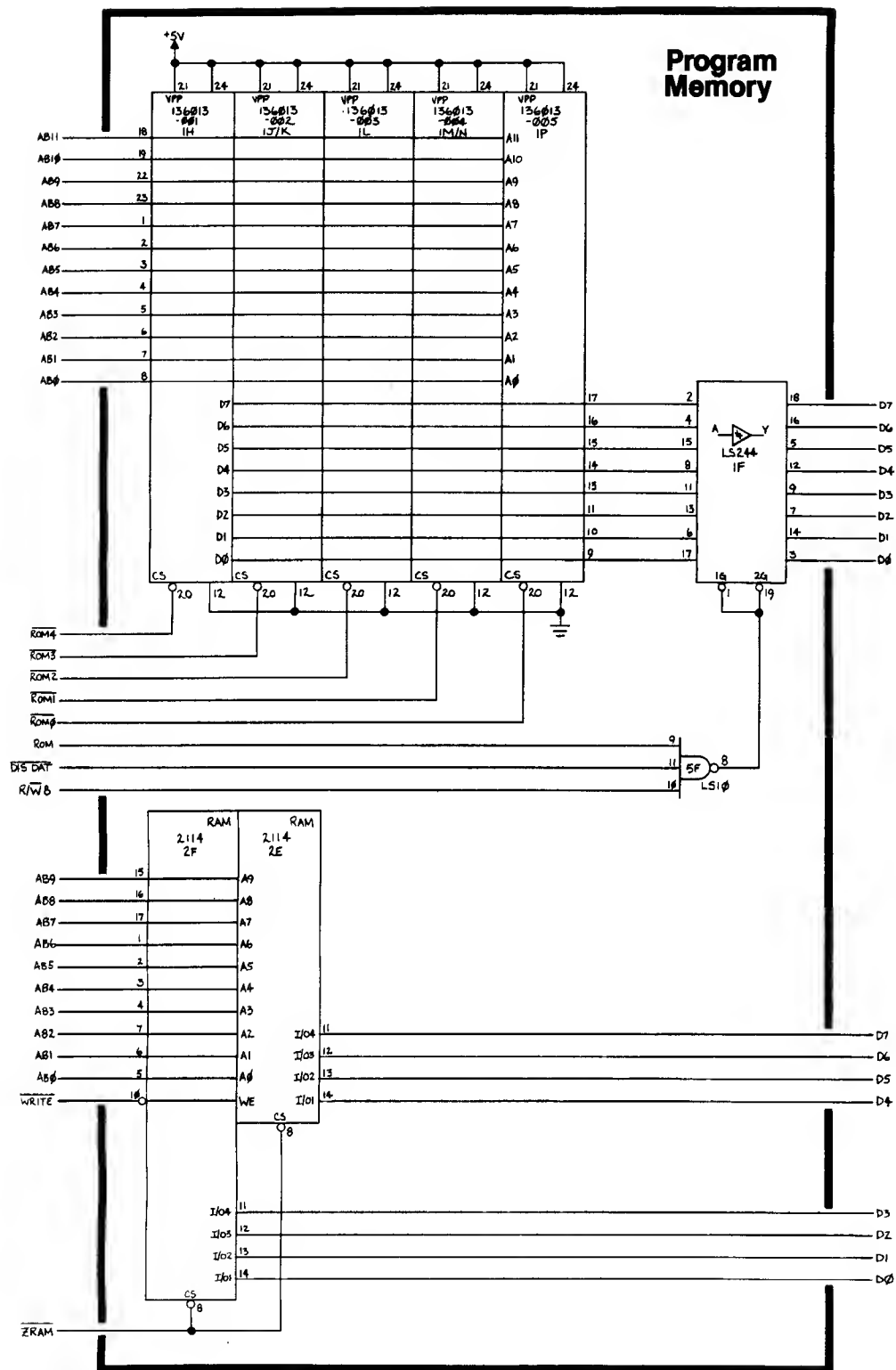
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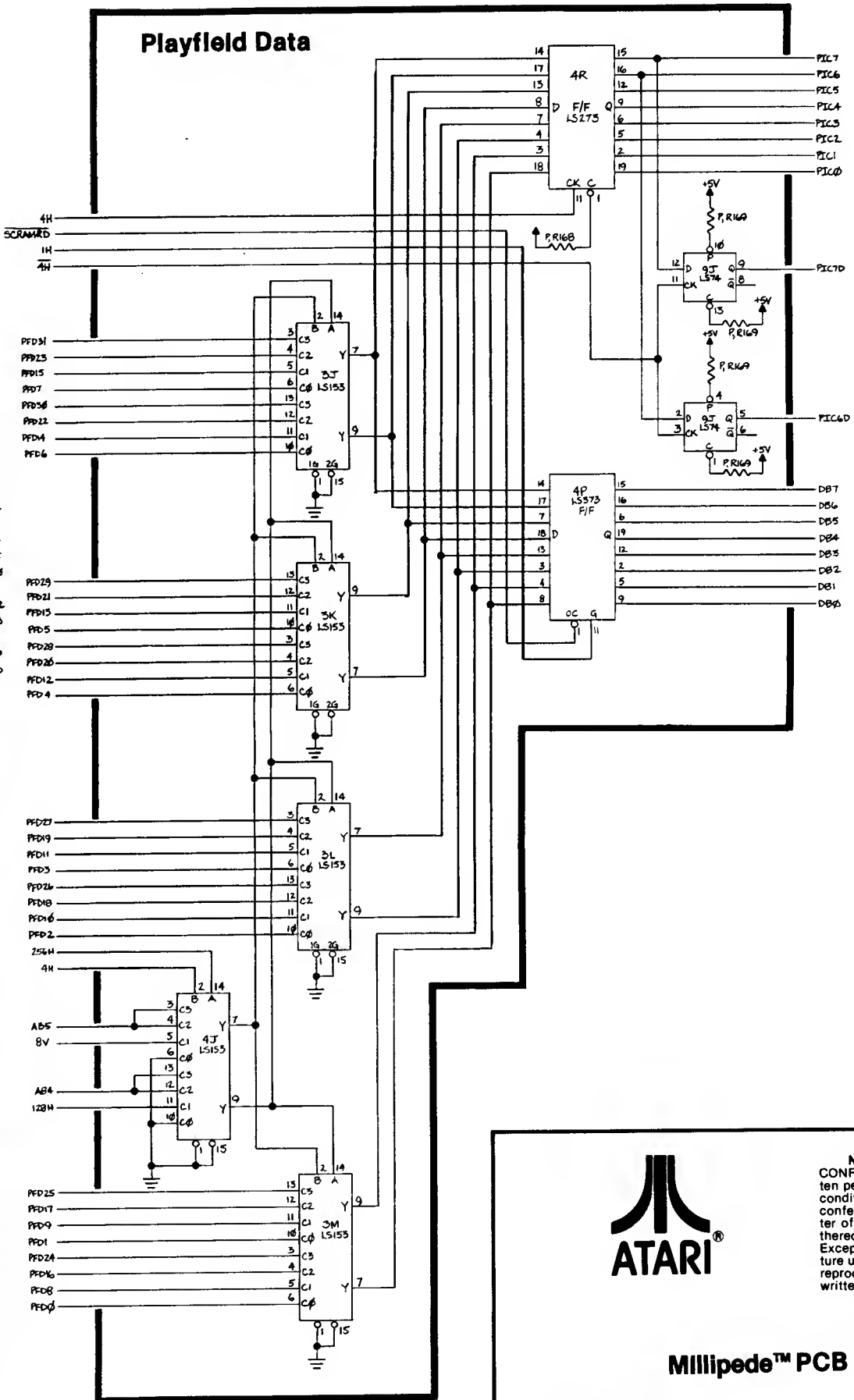
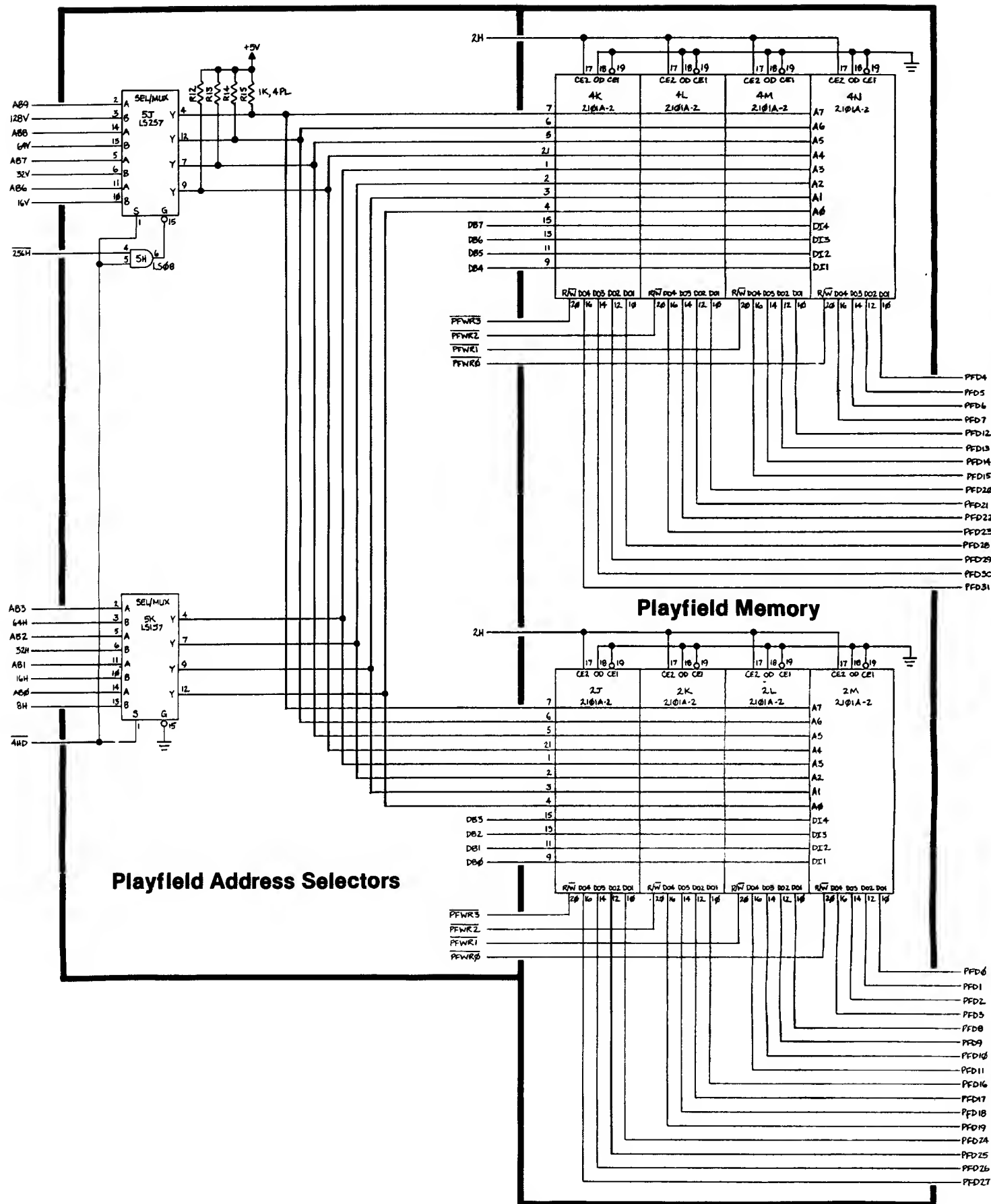
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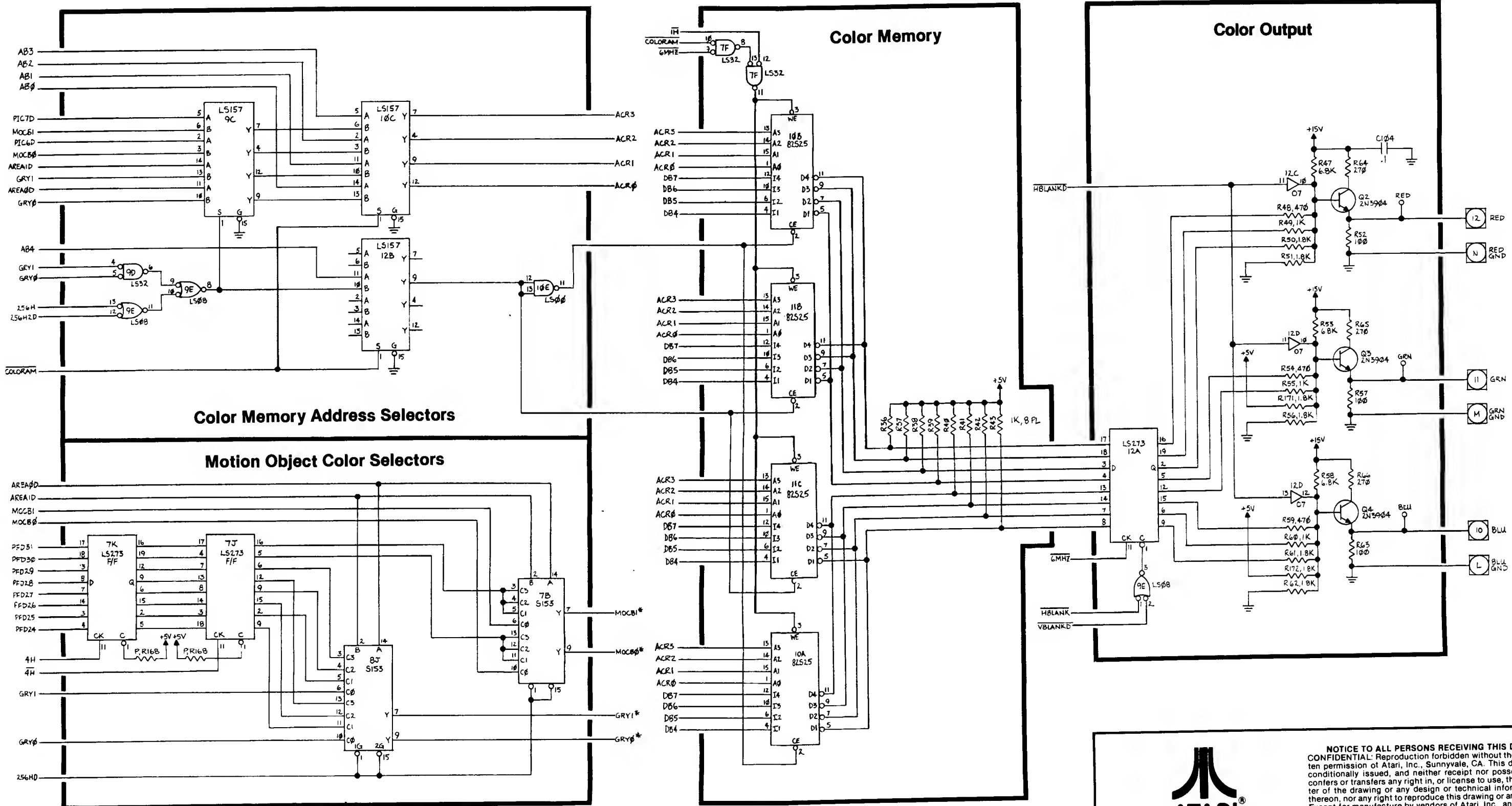
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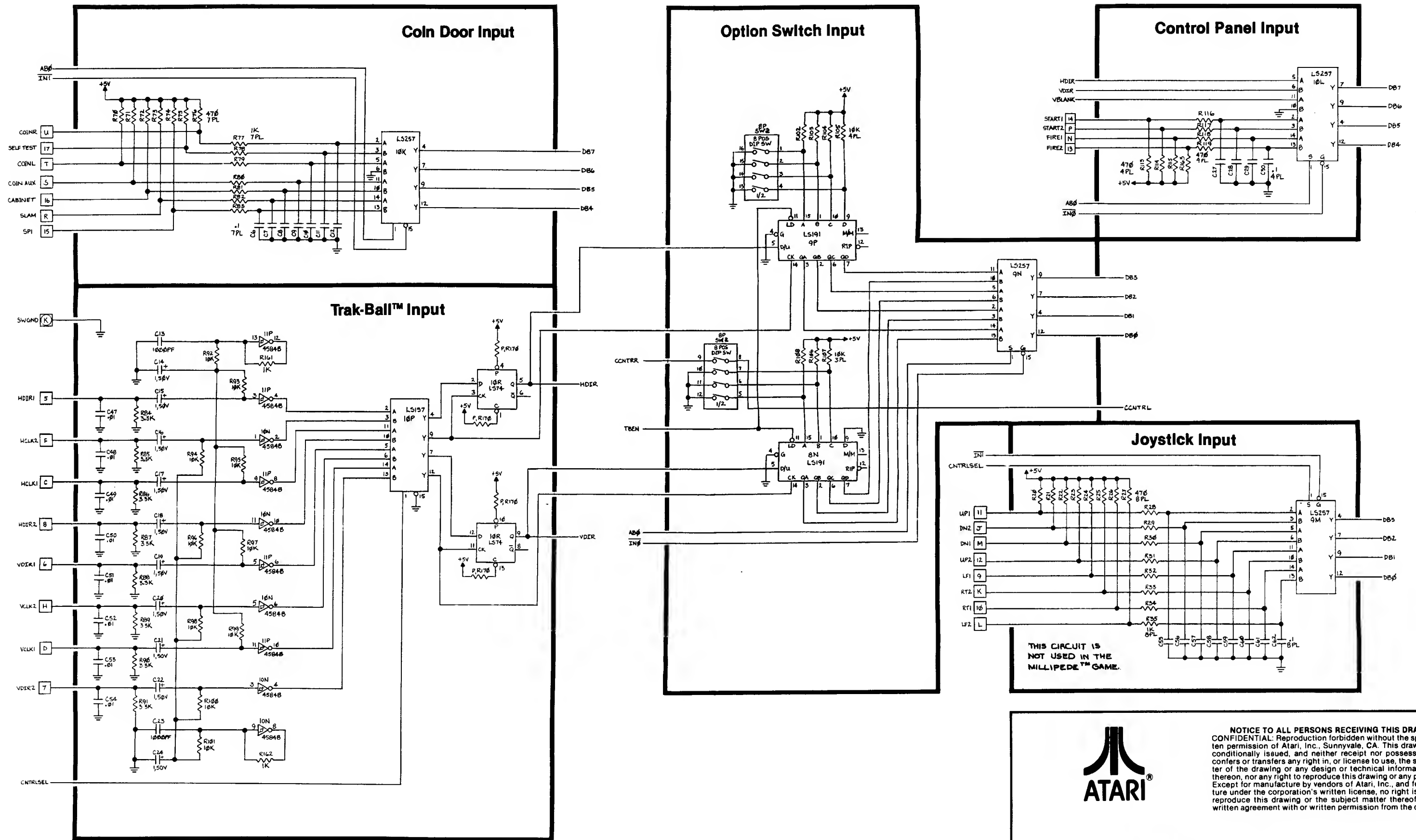
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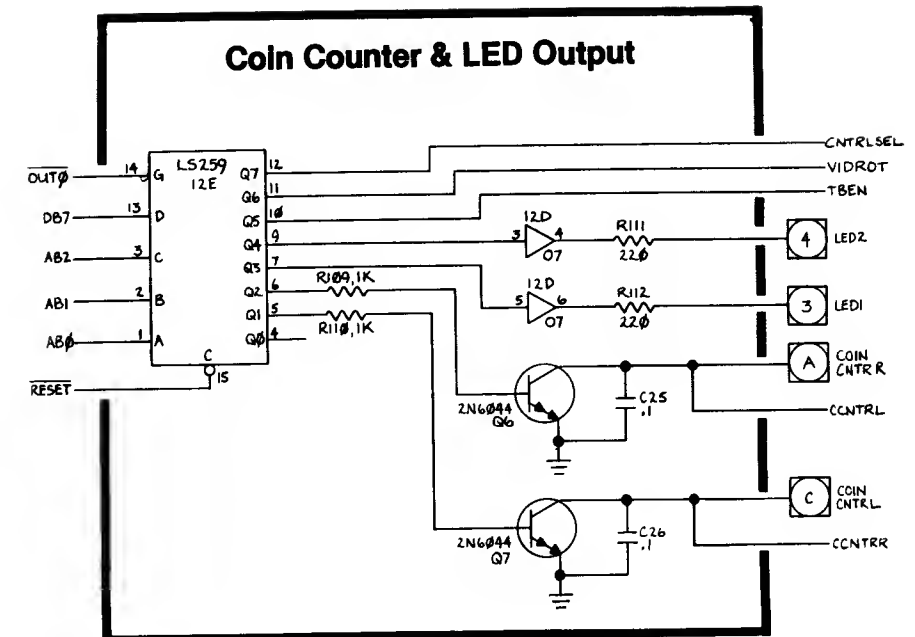
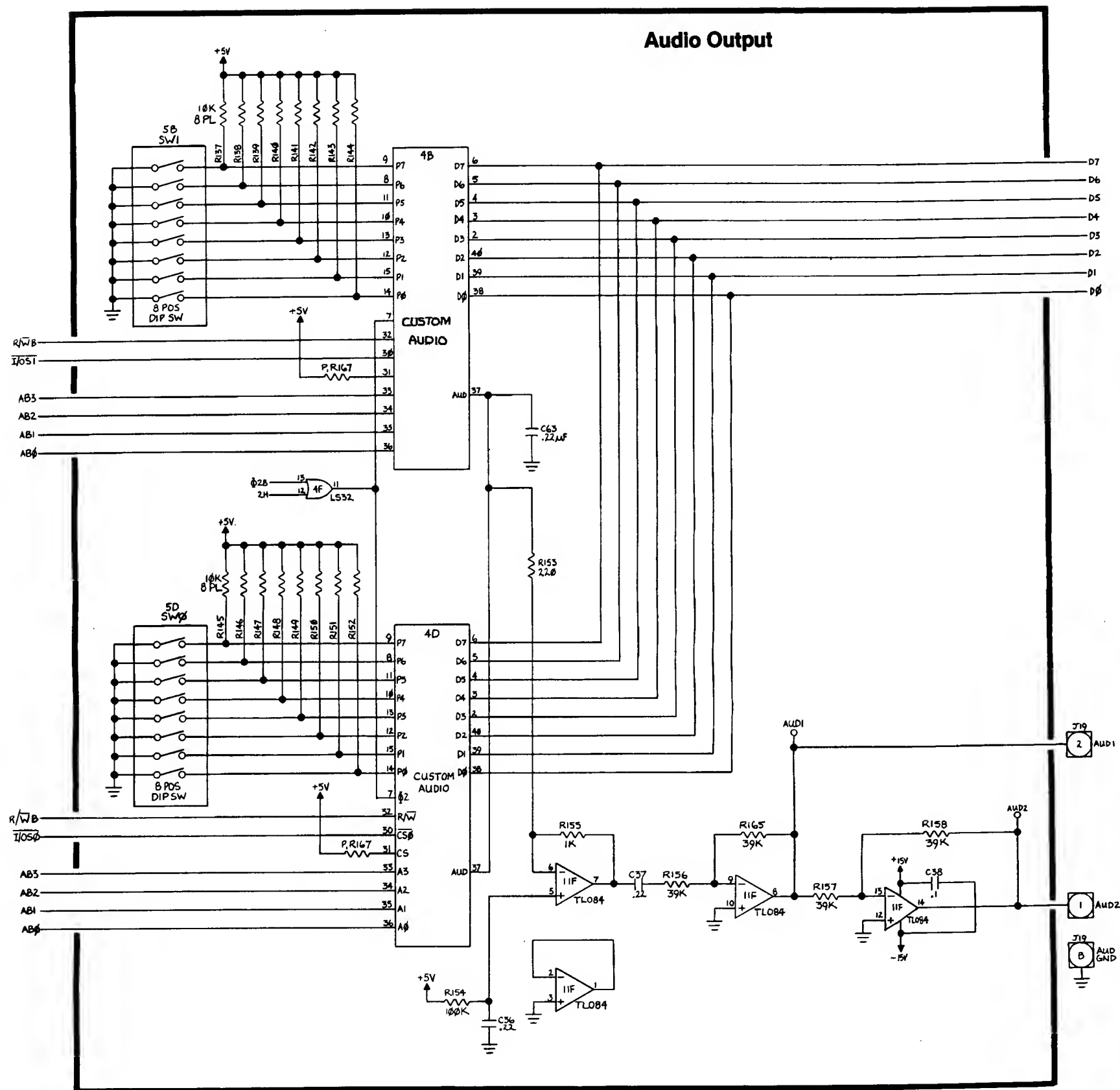
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